Appln. No. 09/994,544
Amdt. dated July 26, 2005
Reply to Office Action of May 26, 2005
Docket No. DE9-2000-0031 (267)

Amendments to Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1.   (Currently Amended)   A computer-based method of synchronizing a realization of a media stream having at least one version of content and having a first representation synchronized with said realization, and at least one second representation, said method comprising:

determining structure information for said first representation and said at least one second representation;

determining structure association information between said first representation and said at least one second representation, wherein said structure association information includes semantic structure association information; and

synchronizing said at least one second representation with said first synchronized representation and said realization using said semantic structure association information; and

aligning said at least one version of content with said first representation to produce a web of relations between a structural view of said at least one version of content and said first representation.

2.   (Original)   The method according to claim 1, said step of determining structure information further comprising:

analyzing said structure information of said first and said at least one second representation, and providing a stream of tree locators.

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3.   (Previously Presented)   The method according to claim 2, further comprising:

aligning said determined structure information of said first representation and said at least one second representation using said semantic structure association information in a form lacking temporal information.

4.   (Cancelled)   ~~The method according to claim 3, wherein said realization comprises at least one version of content, said method further comprising:~~

~~aligning said at least one version of content with said first representation to produce a web of relations between said at least one version of content and said first representation.~~

5.   (Cancelled)   ~~The method according to claim 4, wherein said aligning said at least one version of content with said first representation produces a web of relations between a structural view of said at least one version of content and said first representation.~~

6.   (Original)   The method according to claim 3, further comprising:

aligning an audio stream specified by said media stream with an audio structure corresponding to said audio stream.

7.   (Original)   The method according to claim 3, further comprising:

aligning a text stream specified by said media stream with a text structure corresponding to said text stream.

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8.   (Currently Amended)   A system for synchronizing a realization of a media stream having at least one version of content and having a first representation synchronized with said realization, and at least one second representation, said system comprising:

a first structurer configured to determine structure information for said first representation;

at least a second structurer configured to determine structure information for said at least one second representation; and

a first aligner configured to align said structure information for said first representation and said at least one second representation;

wherein said first aligner aligns in part at least a semantic structure association information lacking temporal data forming a portion of said structure information for said first representation and said at least one second representation and produces a web of relations between a structural view of said at least one version of content and said first representation.

9.   (Original)   The system according to claim 8, further comprising:

at least one renderer configured to render said at least one second representation, after being synchronized, in a form suitable for displaying as an overlayed subtitle.

10.   (Original)   The system according to claim 9, wherein said realization specifies a media stream, said system further comprising:

a tree aligner configured to determine a tree structure for said media stream.

11.   (Original)   The system according to claim 10, further comprising:

means for detecting speech and non-speech boundaries.

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12.   (Original)   The system according to claim 10, further comprising:

means for detecting transitions and speaker changes.

13.   (Currently Amended)   A machine-readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

determining structure information for a first representation being synchronized to a corresponding media stream and at least one second representation;

determining structure association information between said first representation and said at least one second representation, wherein said structure association information includes semantic structure association information lacking temporal information; and

synchronizing said at least one second representation with said first synchronized representation and said realization using said semantic structure association information and:

aligning said determined structure information of said first representation and said at least one second representation to produce a web of relations between a structural view of at least one version of content of a realization and said first representation.

14.   (Original)   The machine-readable storage according to claim 13, said step of determining structure information further comprising:

analyzing said structure information of said first and said at least one second representation, and providing a stream of tree locators.

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15. (Cancelled) ~~The machine-readable storage according to claim 14, further comprising:~~

~~aligning said determined structure information of said first representation and said at least one second representation.~~

16. (Cancelled) ~~The machine-readable storage according to claim 15, wherein said realization comprises at least one version of content, said machine-readable storage further comprising:~~

~~aligning said at least one version of content with said first representation to produce a web of relations between said at least one version of content and said first representation.~~

17. (Cancelled) ~~The machine-readable storage according to claim 15, wherein said aligning said at least one version of content with said first representation produces a web of relations between a structural view of said at least one version of content and said first representation.~~

18. (Currently Amended) The machine-readable storage according to claim ~~15~~ 13, further comprising:

aligning an audio stream specified by said media stream with an audio structure corresponding to said audio stream.

19. (Currently Amended) The machine-readable storage according to claim ~~15~~ 13, further comprising:

aligning a text stream specified by said media stream with a text structure corresponding to said text stream.